

ABSTRACT OF THE DISCLOSURE

Method for heating a container (Ri) placed on a cooktop including heating elements which are associated respectively with inductors which form elements for detecting the presence of the container and are distributed along a frame which is embodied such that it is two-dimensional in a cooking area. The method includes searching (E20) a heating area (Zi) consisting of the heating elements arrangement which are at least partially covered by the container and computing (E60) a power supplied by each heating element of the heating area (Zi) according to a total specified power (Pi) associated thereto and the degree of coverage of each detection element associated to heating element by the container (Ri). The invention can be used, in particular for an inductive cooktop.